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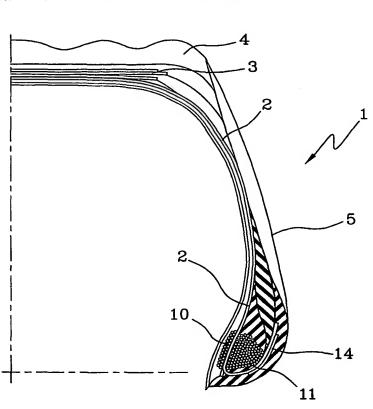
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(54) Title: TYRE FOR VEHICLE WHEELS AND METHOD OF MANUFACTURING



(57) Abstract: A tyre for vehicle wheels comprising a carcass structure including at least one carcass ply (2), at least one reinforcing structure annular associated with said carcass structure, one tread band (4) at a radially external position to said carcass structure, and a pair of sidewalls (5) at axially opposite positions on said carcass structure, each carcass ply (2) comprising a plurality of elongated elements, said elements being disposed in a substantially U-shaped conformation around the cross-section profile of said tyre (1), said carcass structure having two side portions at positions spaced apart from each other in an axial direction, and a crown portion extending at a radially external position between said side portions, wherein only a number of the plurality of said elongated elements is turned-up around said at least one annular reinforcing structure.